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(56) Documents cited by ISA  
US, A, 3509883 DE, A, 2152142  
US, A, 3868956 DE, B2, 2528273  
US, A, 3993078 FR, A, 2333487  
US, A, 4130904 FR, A, 2391709  
US, A, 4300244 WO, A1, 80/01460  
DE, B, 1007948 WO, A1, 82/01647

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US CL<sup>3</sup> 1, 1.4; 128: 303.11, 325-328, 334, 339-340,  
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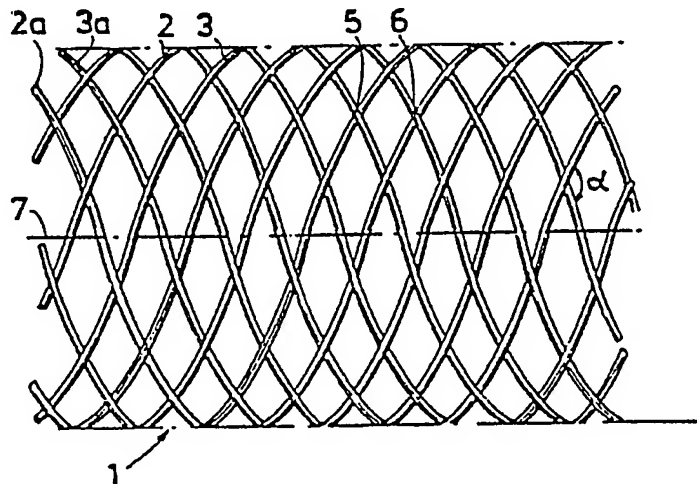
(71) Applicant  
Hans Ivar Wallsten,  
Villa Pre-Boise, CH—1141 Denens, Switzerland

(72) Inventor  
Hans Ivar Wallsten

(74) Agent and/or Address for Service  
J. A. Kemp & Co., 14 South Square, Gray's Inn, London  
WC1R 5EU

(54) A prosthesis comprising an  
expandable or contractile tubular body

(57) A prosthesis for transluminal  
implantation comprising a flexible  
tubular body which has a diameter that  
is variable by axial movement of the  
ends of the body relative to each other  
and which is composed of several  
individual rigid but flexible thread  
elements each of which extends in helix  
configuration with the centre line of the  
body as a common axis, a number of  
elements having the same direction of  
winding but being axially displaced  
relative to each other crossing a  
number of elements also axially  
displaced relative to each other but  
having the opposite direction of  
winding; and method for transluminal  
implantation.



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